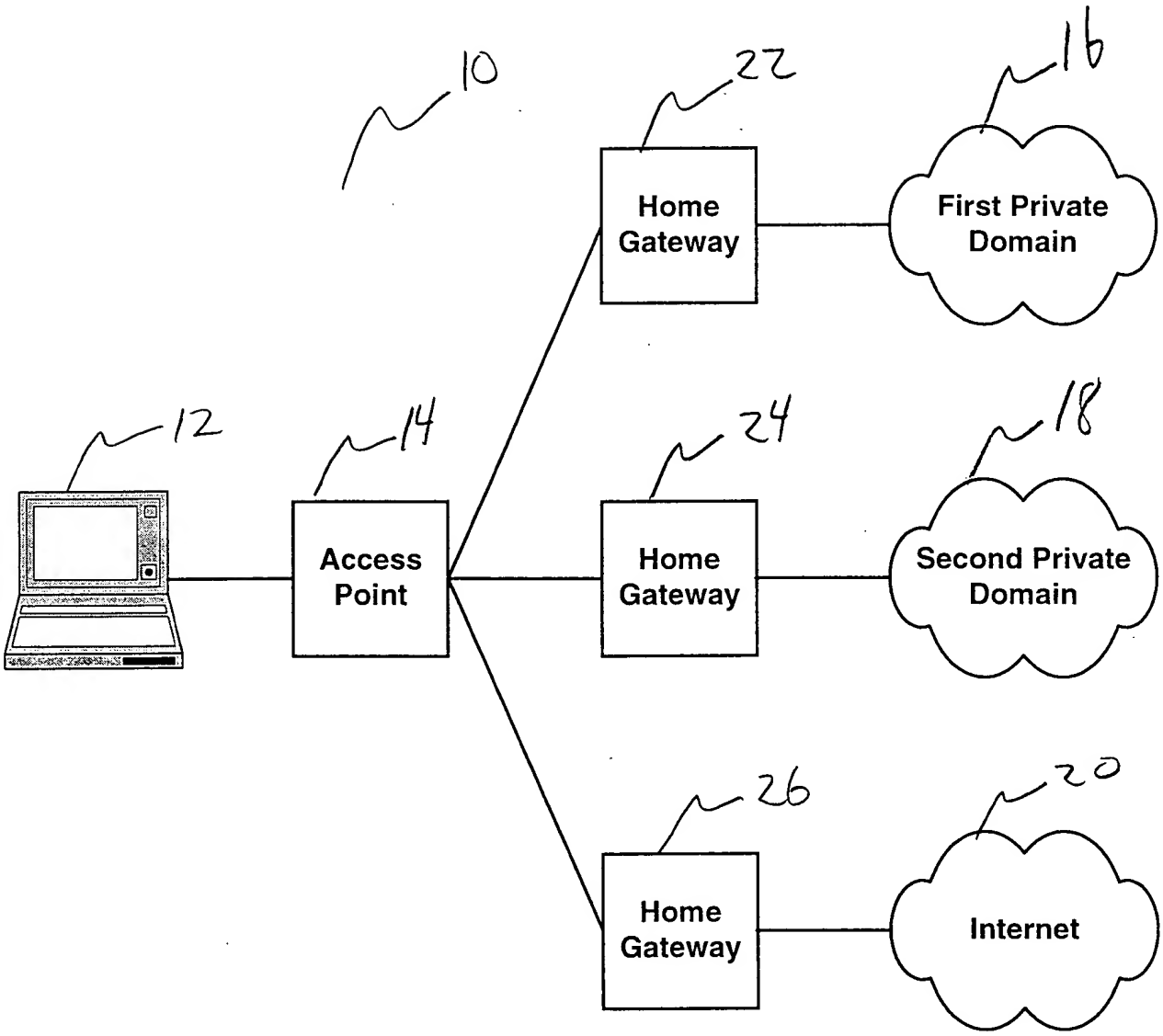
10
12
14
16
18
20
22
24
26
Home Gateway
First Private Domain
Access Point
Home Gateway
Second Private Domain
Home Gateway
Internet

Fig. 1

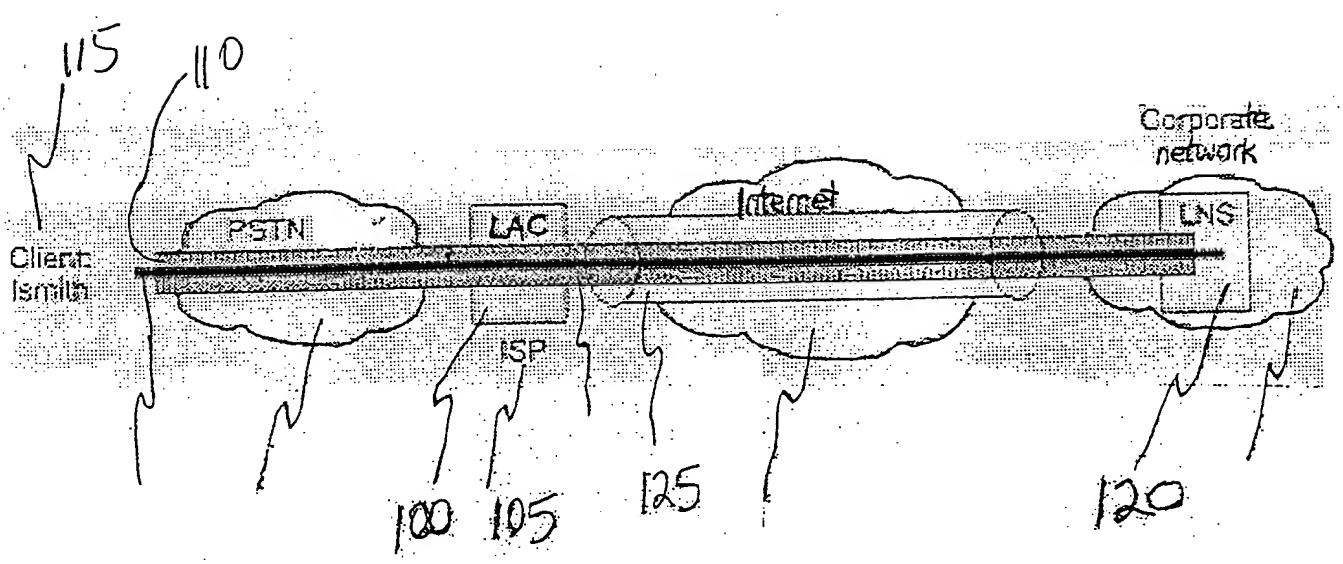
115
110
Corporate network
Internet
PSTN
LAC
LNS
Client: Ismila
ISP
100
105
125
120

Fig. 2

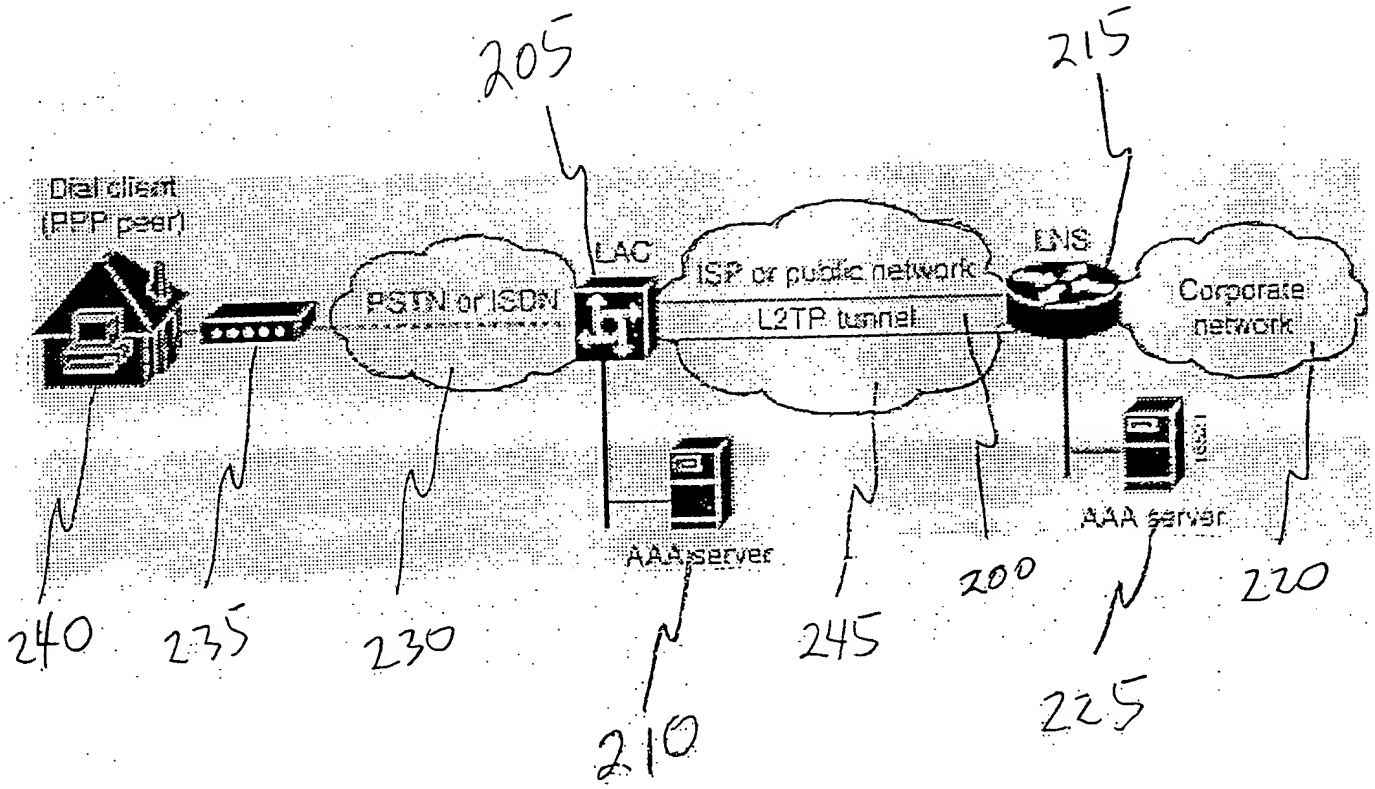
205
215
Dial client
(PPP peer)
LAC
ISP or public network
L2TP tunnel
LNS
Corporate
network
PSTN or ISDN
AAA server
AAA server
240
235
230
210
245
200
225
220

Fig. 3

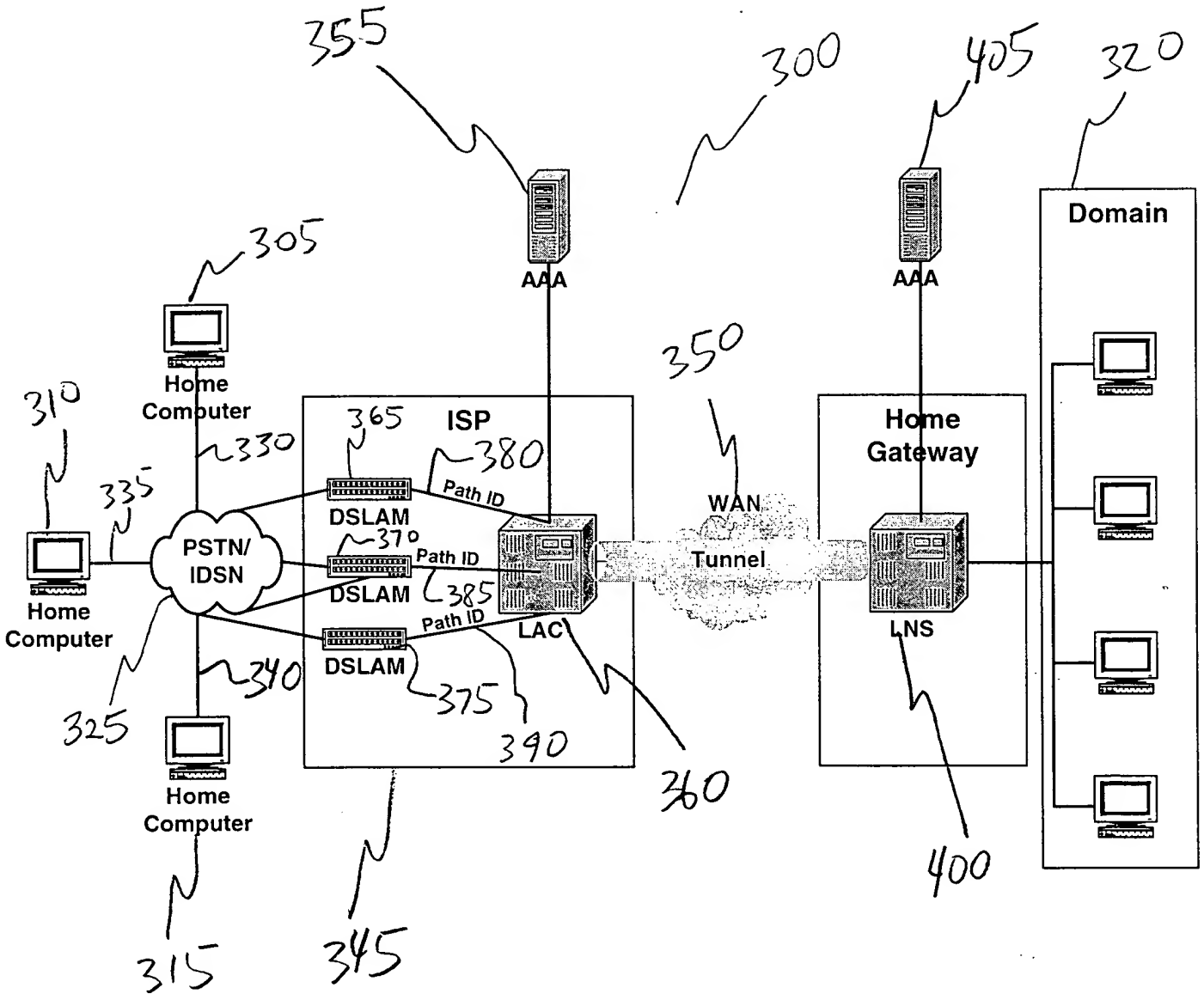
355
300
405
320
AAA
AAA
Domain
305
Home Computer
310
330
335
365
ISP
380
Path ID
DSLAM
370
Path ID
DSLAM
385
Path ID
DSLAM
375
390
PSTN/ IDSN
Home Computer
325
340
Home Computer
315
345
LAC
360
350
WAN
Tunnel
Home Gateway
LNS
400

Fig. 4

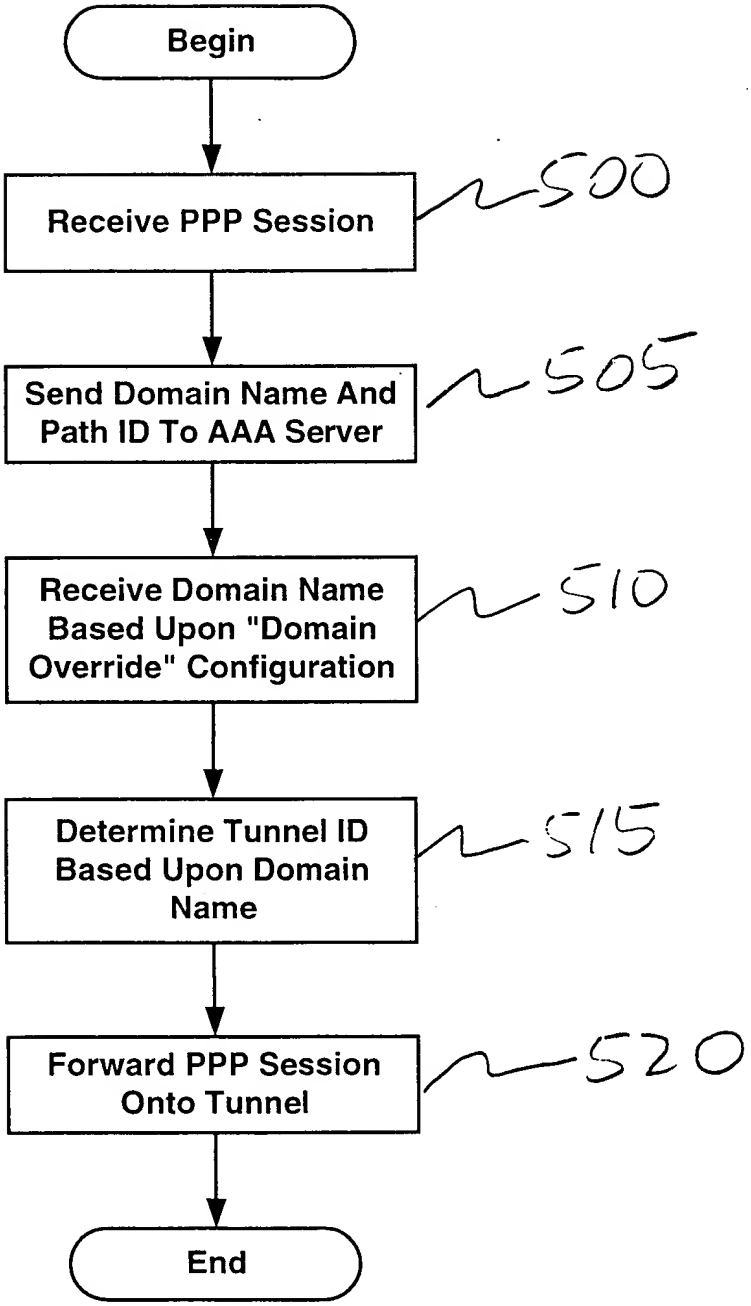
Begin
Receive PPP Session
500
Send Domain Name And Path ID To AAA Server
505
Receive Domain Name Based Upon "Domain Override" Configuration
510
Determine Tunnel ID Based Upon Domain Name
515
Forward PPP Session Onto Tunnel
520
End

Fig. 5

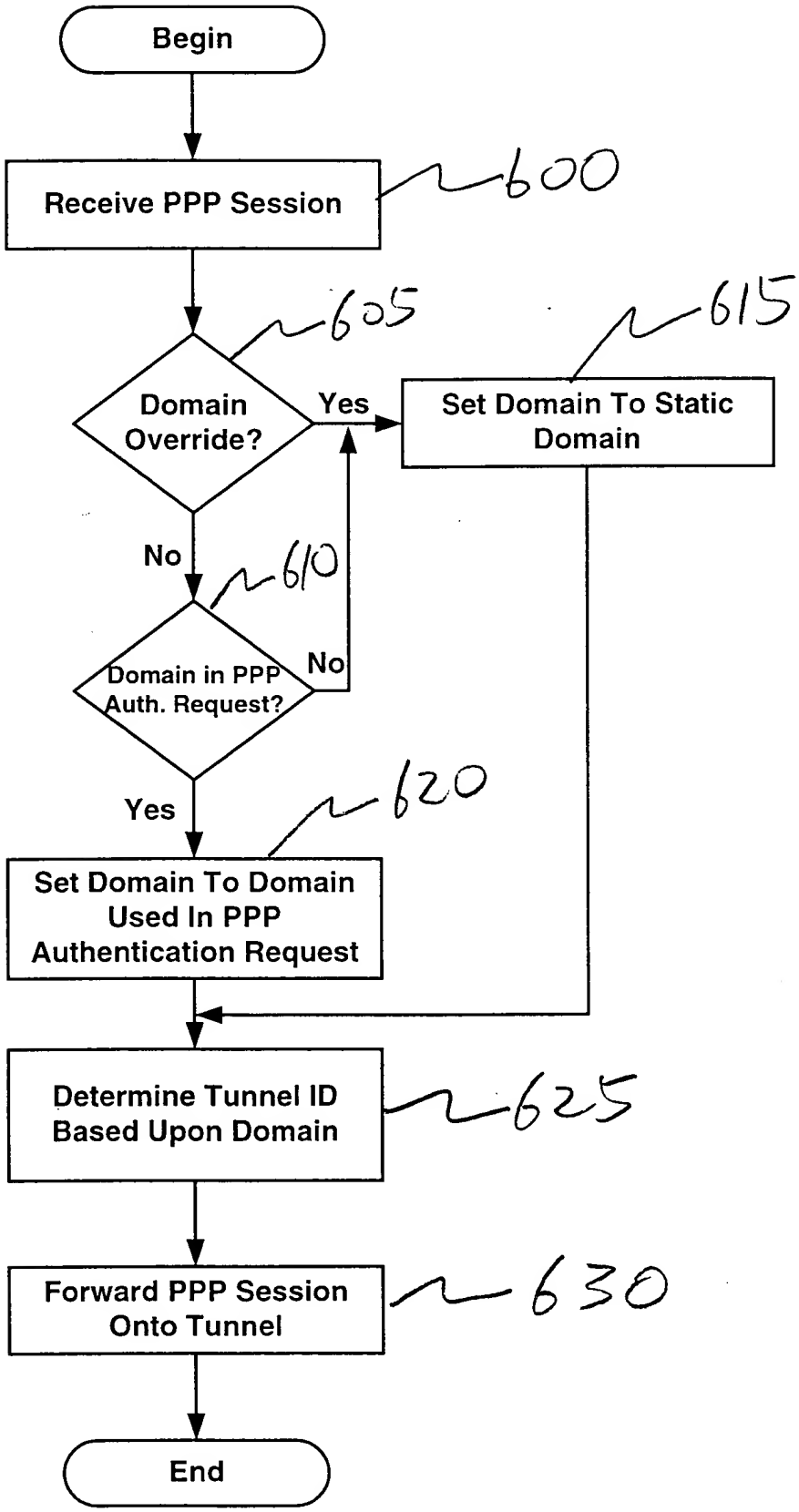
Begin
Receive PPP Session
600
Domain Override?
605
Yes
Set Domain To Static Domain
615
No
610
Domain in PPP Auth. Request?
No
Yes
620
Set Domain To Domain Used In PPP Authentication Request
Determine Tunnel ID Based Upon Domain
625
Forward PPP Session Onto Tunnel
630
End

Fig. 6

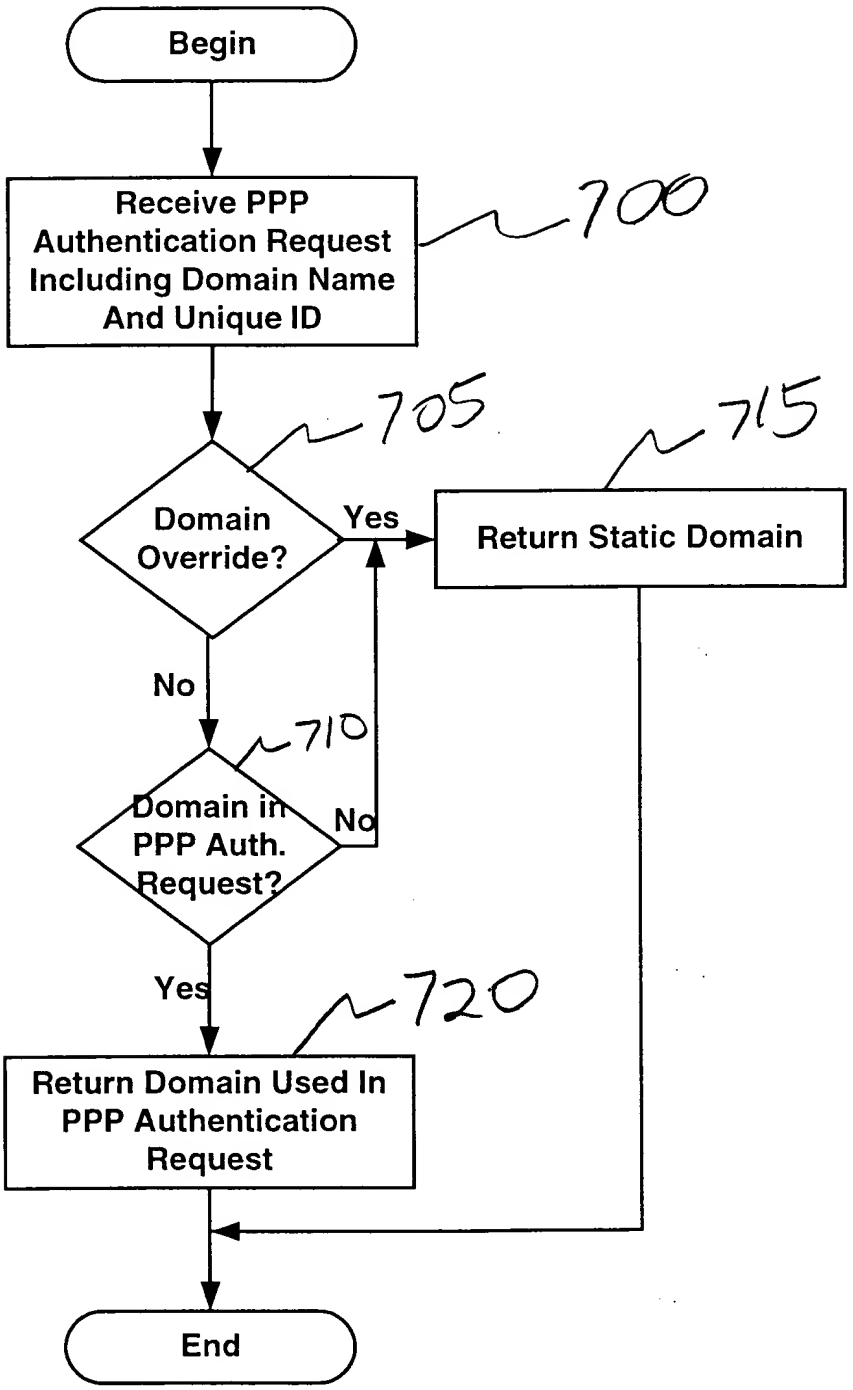
Begin
Receive PPP Authentication Request Including Domain Name And Unique ID
700
Domain Override?
705
Yes
Return Static Domain
715
No
Domain in PPP Auth. Request?
710
No
Yes
Return Domain Used In PPP Authentication Request
720
End

Fig. 7

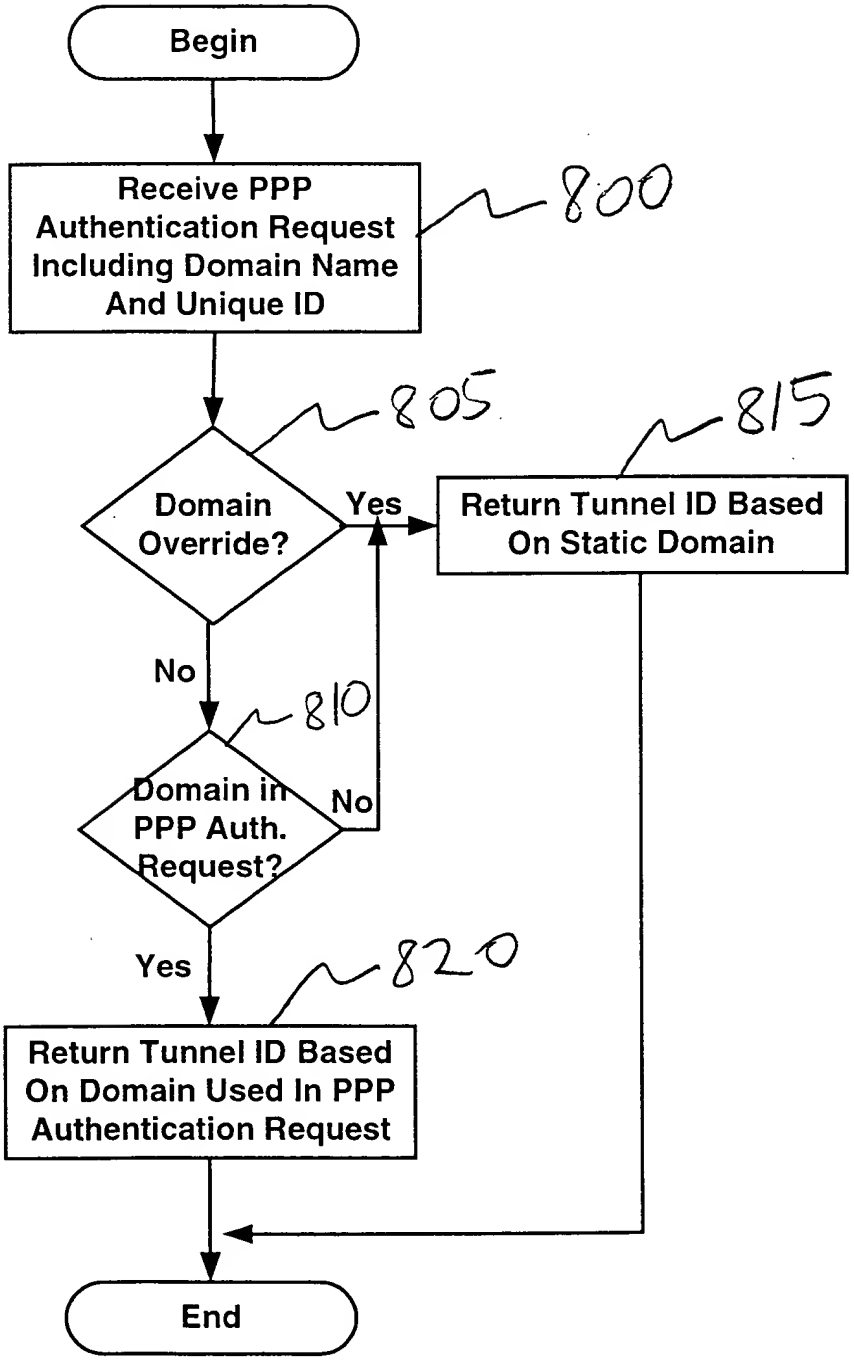
Begin
Receive PPP Authentication Request Including Domain Name And Unique ID
800
Domain Override?
805
Yes
Return Tunnel ID Based On Static Domain
815
No
Domain in PPP Auth. Request?
810
No
Yes
Return Tunnel ID Based On Domain Used In PPP Authentication Request
820
End

Fig. 8

VPI/VCI	Domain Configuration Override	Domain Name
10/2	Yes	corpA.com
33/1	Yes	corpA.com
94/22	Yes	corpC.com

Fig. 9A

Domain Name	Tunnel ID
corpA.com	4578
corpB.com	3948
corpC.com	2210

Fig. 9B

VPI/VCI	Domain Configuration Override	Tunnel ID
10/2	Yes	4578
33/1	Yes	4578
94/22	Yes	2210

Fig. 9C